

**TRANSPARENT SUBSTRATE WITH AN ANTIREFLECTION,  
LOW-EMISSIVITY OR SOLAR-PROTECTION COATING**

**ABSTRACT**

5           A transparent substrate and methods of making a transparent substrate  
having, on at least one of its faces, an antireflection coating made of a multilayer stack of  
alternating thin layers of high and low refractive indices. Preferably, the thin layers are  
based on a dielectric material. At least one of the thin high-index layers comprises titanium  
oxide which is modified so as to reduce its refractive index to a value of at most 2.40,  
10 preferably to a value of at most 2.35.

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